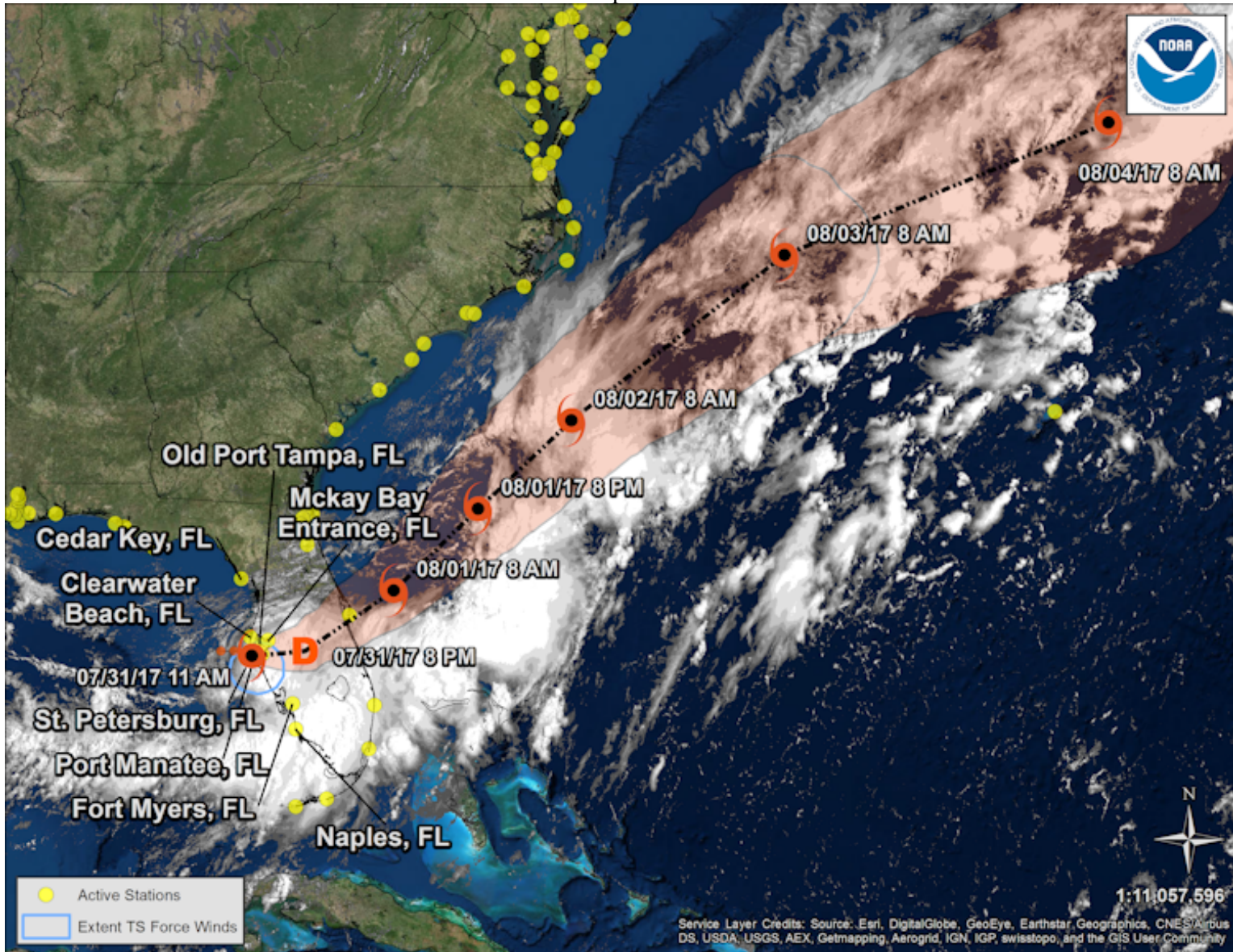




Tropical Storm EMILY QuickLook Posted: 12:00 EDT 07/31/2017

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 07/31/2017 12:00 EDT, water levels along the western coast of Florida are slightly elevated and range between 0.20 and 1.20 ft above normal tide levels. Wind speeds are increasing around Tampa Bay, ranging between 10 and 30 knots with slightly higher gusts. Barometric pressure is beginning to fall in the bay area.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: AC

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM EMILY ADVISORY NUMBER 3

NWS NATIONAL HURRICANE CENTER MIAMI FL

1100 AM EDT MON JUL 31 2017

...EMILY APPROACHING THE MOUTH OF TAMPA BAY...

...HEAVY RAINFALL EXPECTED OVER THE CENTRAL AND SOUTHERN FLORIDA PENINSULA...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

NONE.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* ANCLOTE RIVER TO BONITA BEACH FLORIDA

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE LIKELY WITHIN THE WARNING AREA, IN THIS CASE WITHIN THE NEXT FEW HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA, INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS, PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1100 AM EDT, THE CENTER OF TROPICAL STORM EMILY WAS LOCATED ABOUT 35 MI SW OF TAMPA FLORIDA. EMILY IS MOVING TOWARD THE EAST NEAR 9 MPH, AND THIS GENERAL MOTION IS EXPECTED TO CONTINUE TODAY. A TURN TOWARD THE NORTHEAST WITH AN INCREASE IN FORWARD SPEED ARE EXPECTED BY TONIGHT AND TUESDAY. ON THE FORECAST

TRACK, THE CENTER OF EMILY IS EXPECTED TO MOVE INLAND OVER THE THE WEST-CENTRAL FLORIDA PENINSULA THIS AFTERNOON, AND MOVE ACROSS CENTRAL FLORIDA THROUGH TONIGHT. EMILY IS FORECAST TO MOVE OFFSHORE OF THE EAST-CENTRAL FLORIDA COAST TUESDAY MORNING.

MAXIMUM SUSTAINED WINDS ARE NEAR 45 MPH WITH HIGHER GUSTS. LITTLE CHANGE IN STRENGTH IS FORECAST UNTIL LANDFALL OCCURS THIS AFTERNOON. EMILY IS EXPECTED TO WEAKEN TO A TROPICAL DEPRESSION WHILE IT MOVES ACROSS THE FLORIDA PENINSULA LATER TODAY AND TONIGHT.

TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 60 MILES FROM THE CENTER.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 1005 MB.

HAZARDS AFFECTING LAND

RAINFALL: EMILY IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 2 TO 4 INCHES THROUGH MONDAY NIGHT ALONG THE WEST COAST OF CENTRAL FLORIDA BETWEEN THE TAMPA BAY AREA AND NAPLES, WITH ISOLATED AMOUNTS UP TO 8 INCHES POSSIBLE. ELSEWHERE ACROSS CENTRAL AND SOUTH FLORIDA, 1 TO 2 INCHES OF RAIN IS EXPECTED WITH LOCALIZED AMOUNTS OF UP TO 4 INCHES POSSIBLE. REPORTS FROM AMATEUR RADIO OPERATORS INDICATE THAT STREET AND ROAD FLOODING HAS ALREADY BEEN OCCURRING IN MANATEE AND SARASOTA COUNTIES NEAR THE MYAKKA RIVER.

WIND: TROPICAL STORM CONDITIONS ARE LIKELY WITHIN THE WARNING AREA THROUGH THIS AFTERNOON.

TORNADOES: A BRIEF TORNADO COULD OCCUR ACROSS THE CENTRAL AND SOUTHERN FLORIDA PENINSULA TODAY, WITH ISOLATED WATERSPOUTS POSSIBLE OVER THE COASTAL WATERS OF SOUTHWESTERN FLORIDA.

NEXT ADVISORY

NEXT INTERMEDIATE ADVISORY AT 200 PM EDT.

NEXT COMPLETE ADVISORY AT 500 PM EDT.

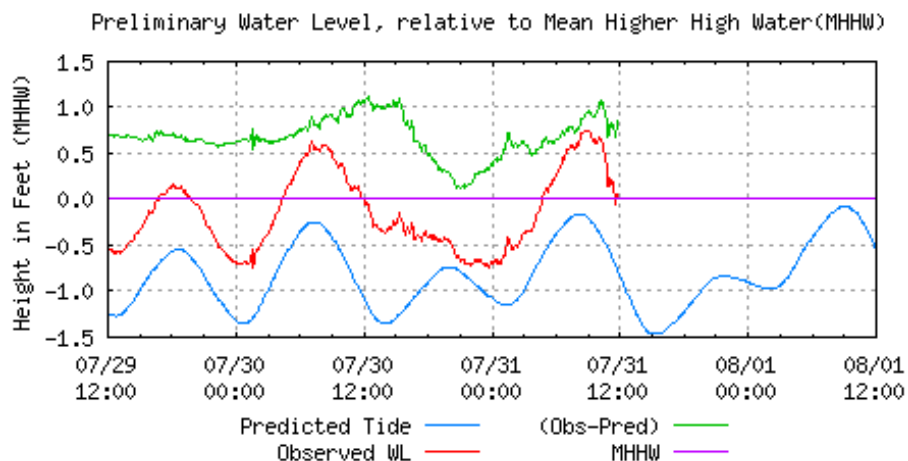
FORECASTER STEWART

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Port Manatee - Water Level](#), [Port Manatee - Barometric](#), [St Petersburg, Tampa Bay - Water Level](#), [St Petersburg, Tampa Bay - Winds](#), [St Petersburg, Tampa Bay - Barometric](#), [Old Port Tampa - Water Level](#), [Old Port Tampa - Winds](#), [Old Port Tampa - Barometric](#), [Mckay Bay Entrance - Water Level](#), [Clearwater Beach - Water Level](#),

Clearwater Beach - Winds, Clearwater Beach - Barometric, Fort Myers - Water Level, Fort Myers - Winds, Fort Myers - Barometric, Naples - Water Level, Naples - Winds, Naples - Barometric, Cedar Key - Water Level, Cedar Key - Winds, Cedar Key - Barometric

NOAA/NOS/CO-OPS 8726384 Port Manatee, FL



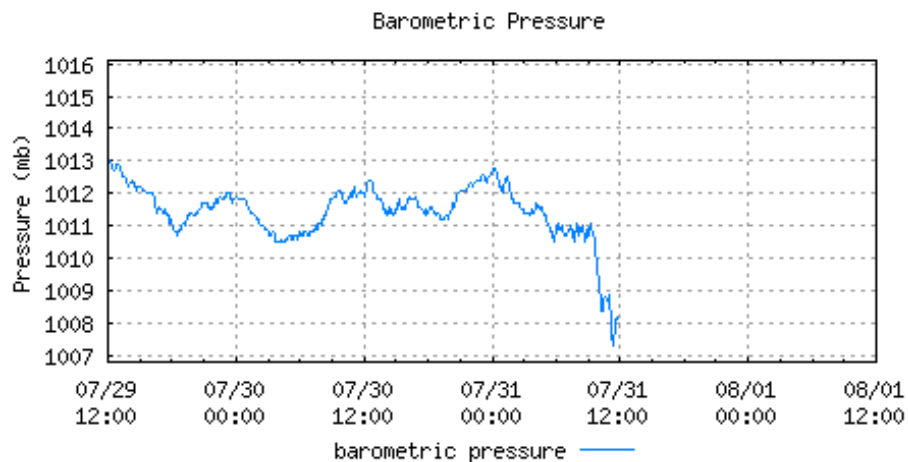
Last Observed Sample: 07/31/2017 11:54 (EDT). Data relative to MHHW

Observed: 0.10 ft. Predicted: -0.80 ft. Residual: 0.90 ft.

Historical Maximum Water Level: Sep 6 2004, 2.29 ft.

Next High Tide: 07/31/2017 21:41 (EDT), -0.83 ft.

NOAA/NOS/CO-OPS 8726384 Port Manatee, FL

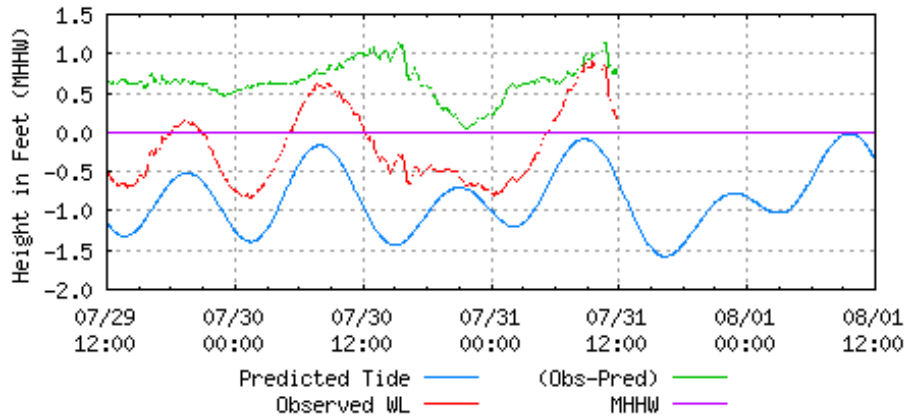


Last Observed Sample: 07/31/2017 11:54 (EDT)

Barometric Pressure: 1008.3 mb

NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 07/31/2017 11:54 (EDT). Data relative to MHHW

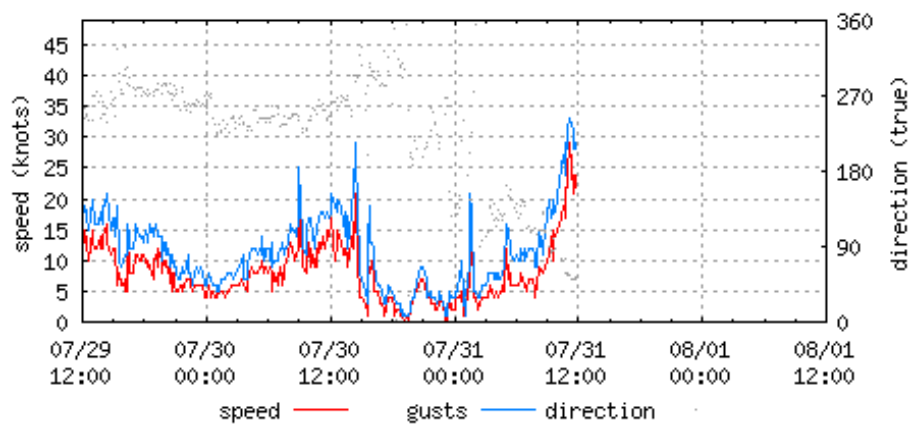
Observed: 0.09 ft. Predicted: -0.63 ft. Residual: 0.72 ft.

Historical Maximum Water Level: Aug 31 1985, 4.00 ft.

Next High Tide: 07/31/2017 22:49 (EDT), -0.78 ft.

NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL

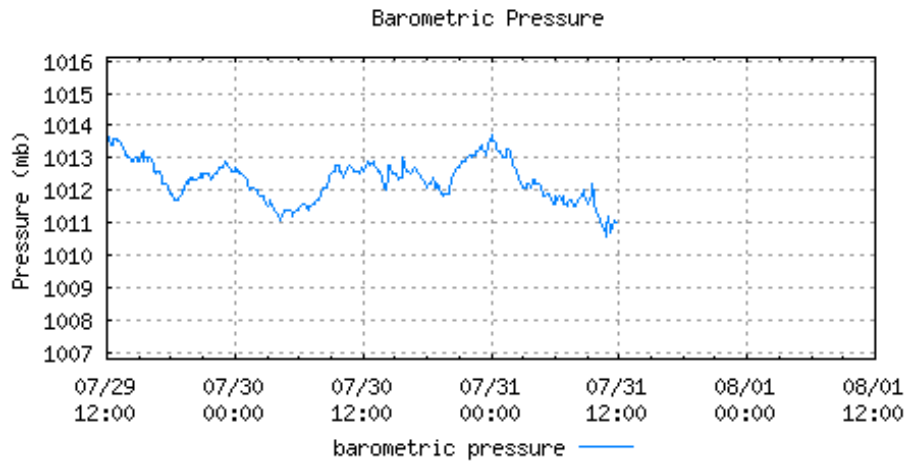
Wind Speed / Gusts / Direction



Last Observed Sample: 07/31/2017 11:54 (EDT)

Wind Speed: 21 knots Gusts: 27 knots Direction: 43° T

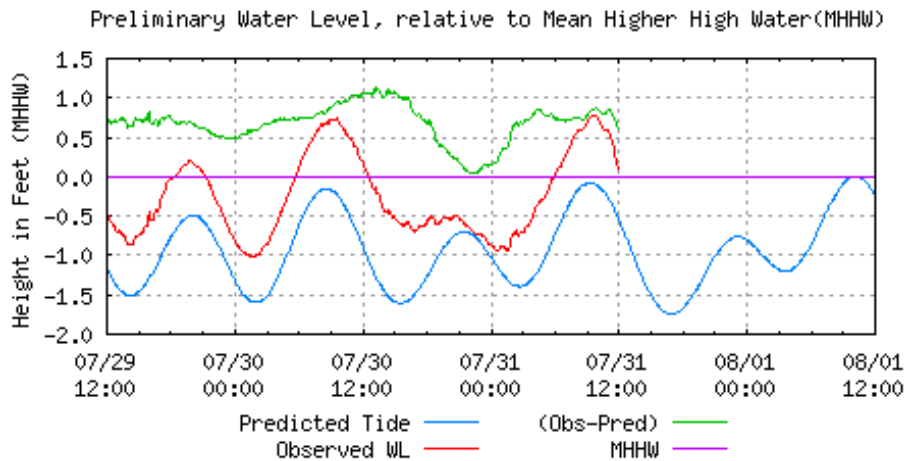
NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL



Last Observed Sample: 07/31/2017 11:54 (EDT)

Barometric Pressure: 1011.1 mb

NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL



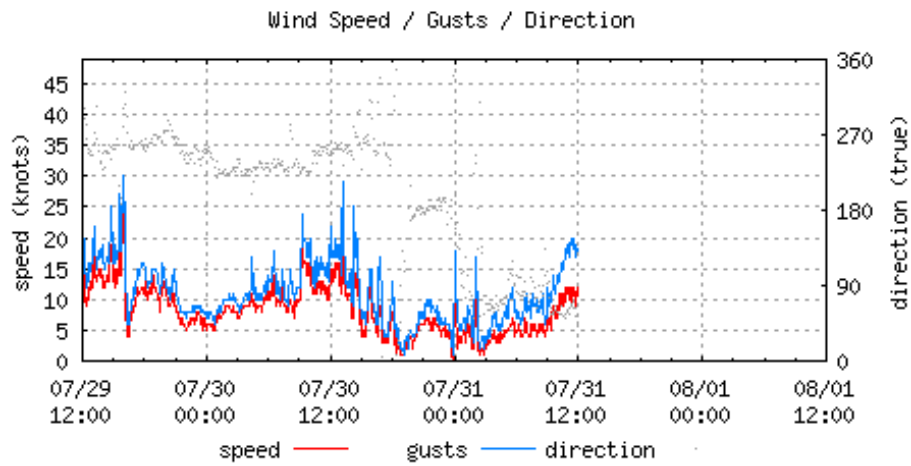
Last Observed Sample: 07/31/2017 11:54 (EDT). Data relative to MHHW

Observed: 0.09 ft. Predicted: -0.53 ft. Residual: 0.62 ft.

Historical Maximum Water Level: Oct 8 1996, 3.60 ft.

Next High Tide: 07/31/2017 23:06 (EDT), -0.77 ft.

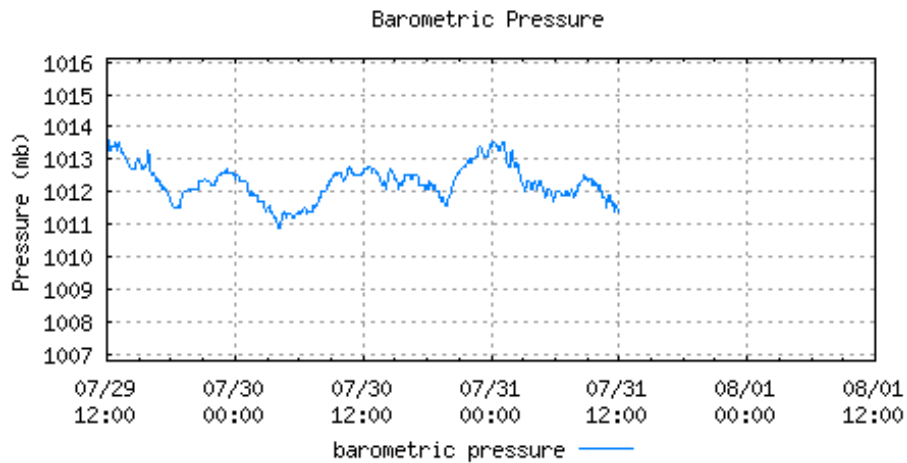
NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL



Last Observed Sample: 07/31/2017 11:54 (EDT)

Wind Speed: 12 knots Gusts: 18 knots Direction: 45° T

NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL

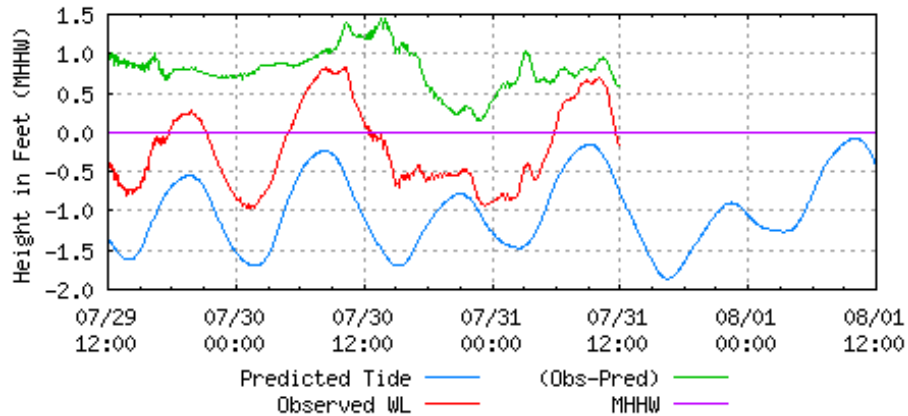


Last Observed Sample: 07/31/2017 11:54 (EDT)

Barometric Pressure: 1011.4 mb

NOAA/NOS/CO-OPS 8726667 Mckay Bay Entrance, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 07/31/2017 11:54 (EDT). Data relative to MHHW

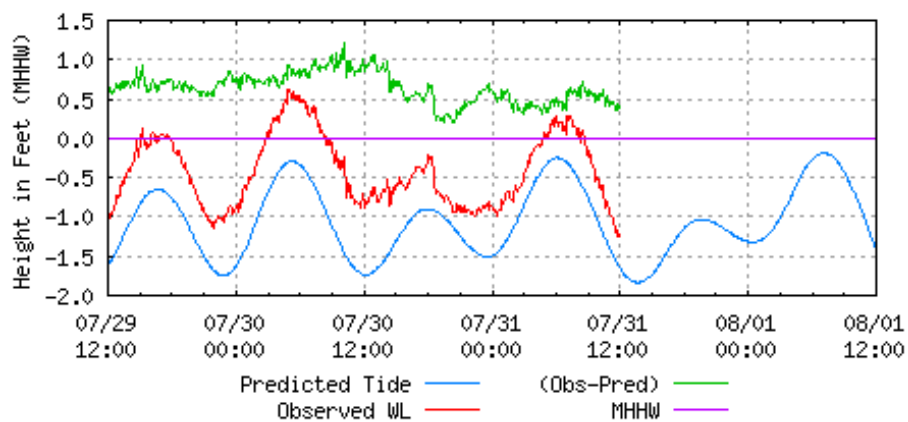
Observed: -0.16 ft. Predicted: -0.74 ft. Residual: 0.58 ft.

Historical Maximum Water Level: Oct 8 1996, 4.32 ft.

Next High Tide: 07/31/2017 22:24 (EDT), -0.90 ft.

NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



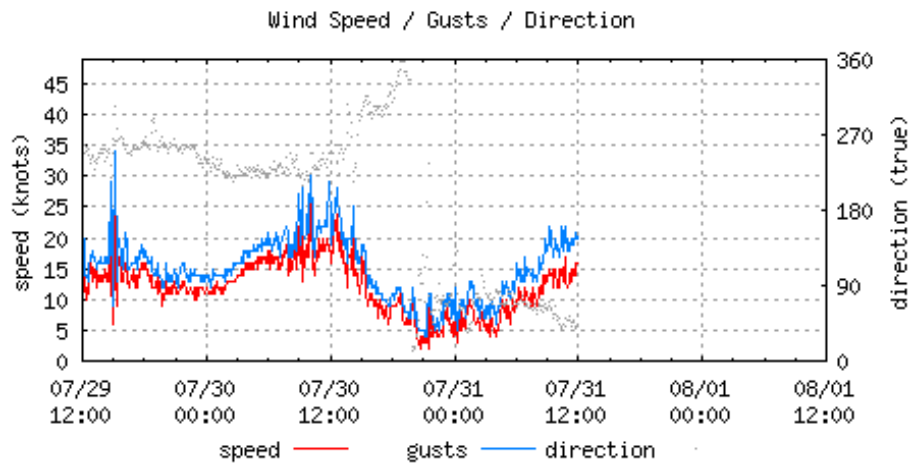
Last Observed Sample: 07/31/2017 11:54 (EDT). Data relative to MHHW

Observed: -1.25 ft. Predicted: -1.63 ft. Residual: 0.38 ft.

Historical Maximum Water Level: Mar 13 1993, 4.00 ft.

Next High Tide: 07/31/2017 19:39 (EDT), -1.03 ft.

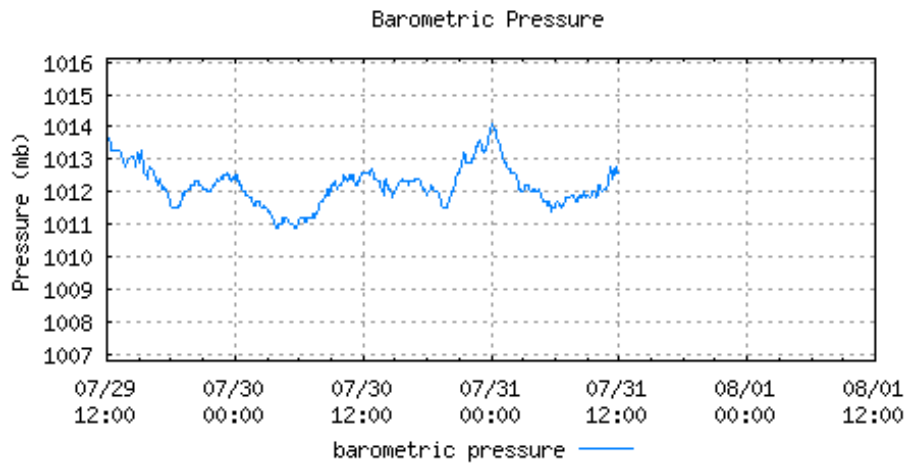
NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL



Last Observed Sample: 07/31/2017 11:54 (EDT)

Wind Speed: 16 knots Gusts: 20 knots Direction: 42° T

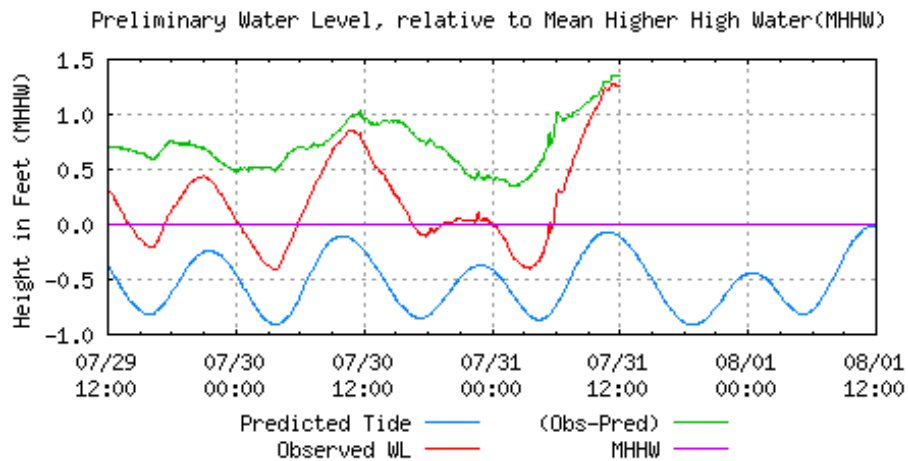
NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL



Last Observed Sample: 07/31/2017 11:54 (EDT)

Barometric Pressure: 1012.6 mb

NOAA/NOS/CO-OPS 8725520 Fort Myers, FL



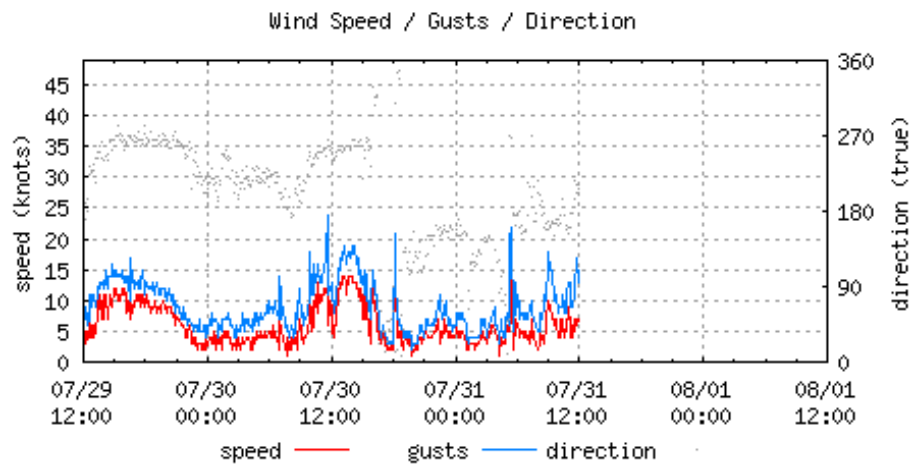
Last Observed Sample: 07/31/2017 11:54 (EDT). Data relative to MHHW

Observed: 1.25 ft. Predicted: -0.11 ft. Residual: 1.36 ft.

Historical Maximum Water Level: Nov 23 1988, 3.41 ft.

Next High Tide: 08/01/2017 00:23 (EDT), -0.43 ft.

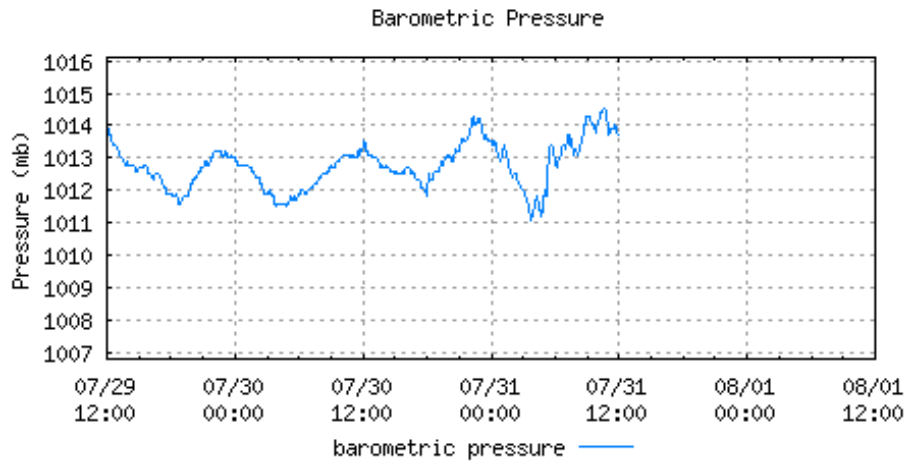
NOAA/NOS/CO-OPS 8725520 Fort Myers, FL



Last Observed Sample: 07/31/2017 11:54 (EDT)

Wind Speed: 7 knots Gusts: 13 knots Direction: 206° T

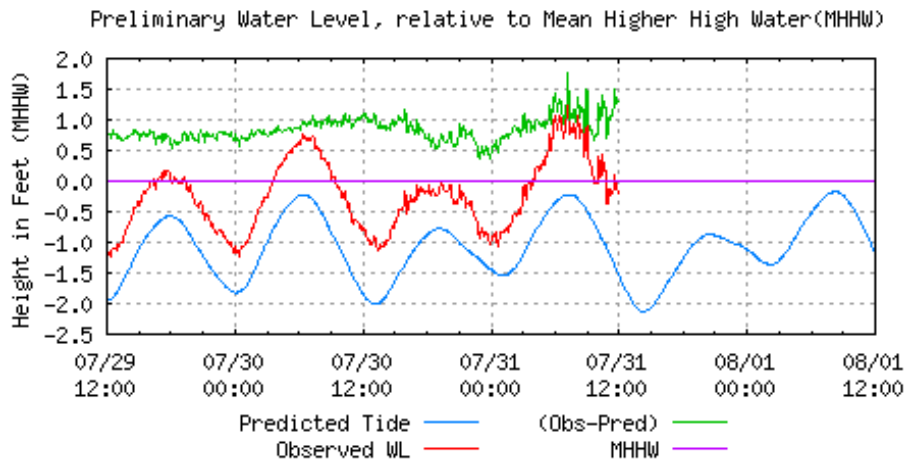
NOAA/NOS/CO-OPS 8725520 Fort Myers, FL



Last Observed Sample: 07/31/2017 11:54 (EDT)

Barometric Pressure: 1013.7 mb

NOAA/NOS/CO-OPS 8725110 Naples, FL



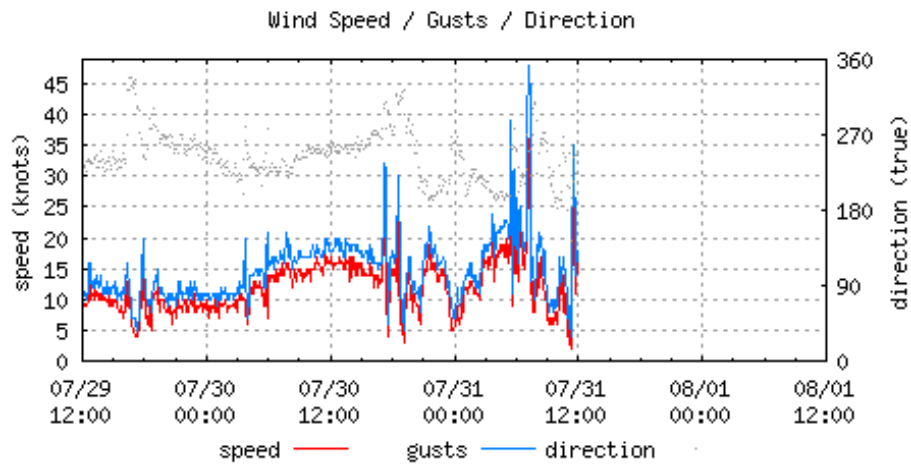
Last Observed Sample: 07/31/2017 11:54 (EDT). Data relative to MHHW

Observed: -0.19 ft. Predicted: -1.50 ft. Residual: 1.31 ft.

Historical Maximum Water Level: Dec 21 1972, 3.11 ft.

Next High Tide: 07/31/2017 20:29 (EDT), -0.87 ft.

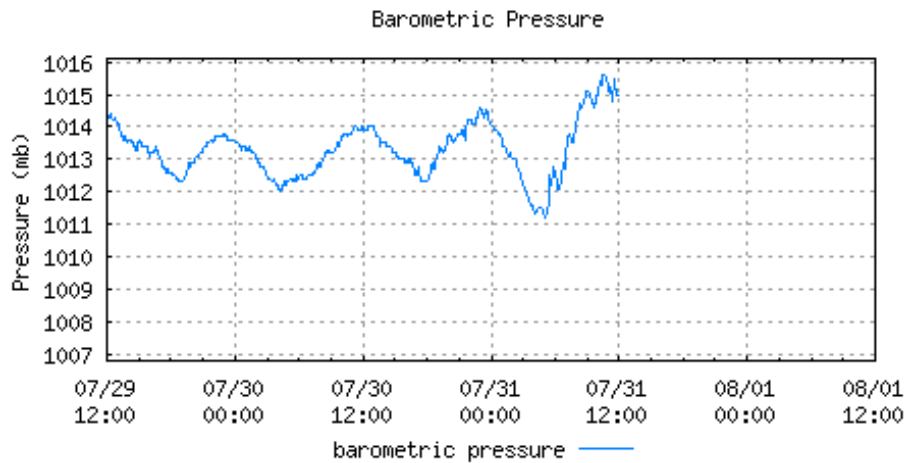
NOAA/NOS/CO-OPS 8725110 Naples, FL



Last Observed Sample: 07/31/2017 11:54 (EDT)

Wind Speed: 16 knots Gusts: 18 knots Direction: 246° T

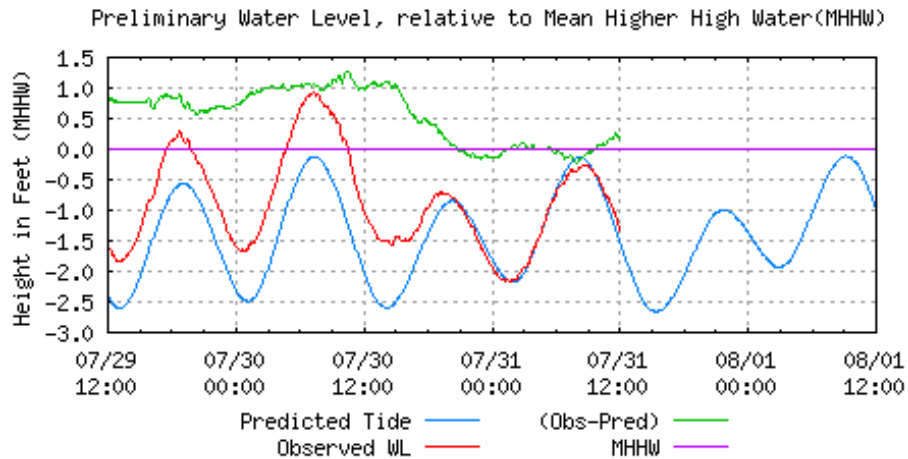
NOAA/NOS/CO-OPS 8725110 Naples, FL



Last Observed Sample: 07/31/2017 11:54 (EDT)

Barometric Pressure: 1015.0 mb

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL



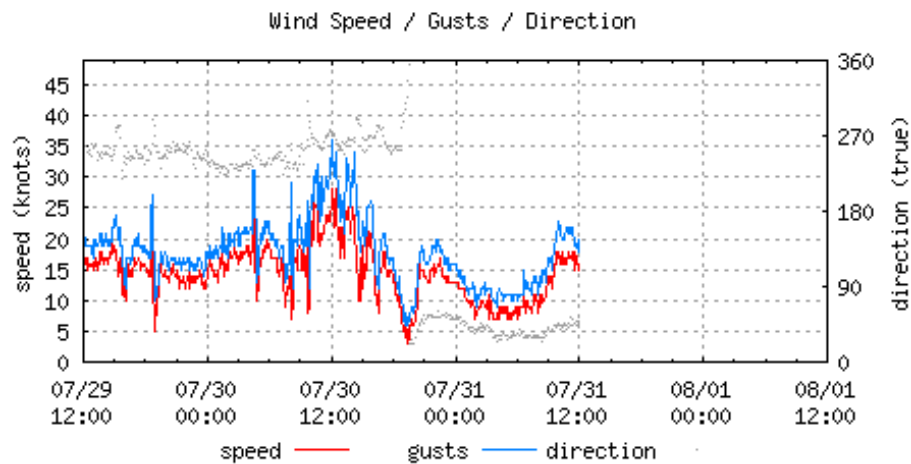
Last Observed Sample: 07/31/2017 12:00 (EDT). Data relative to MHHW

Observed: -1.34 ft. Predicted: -1.53 ft. Residual: 0.19 ft.

Historical Maximum Water Level: Oct 7 1996, 5.15 ft.

Next High Tide: 07/31/2017 21:41 (EDT), -0.99 ft.

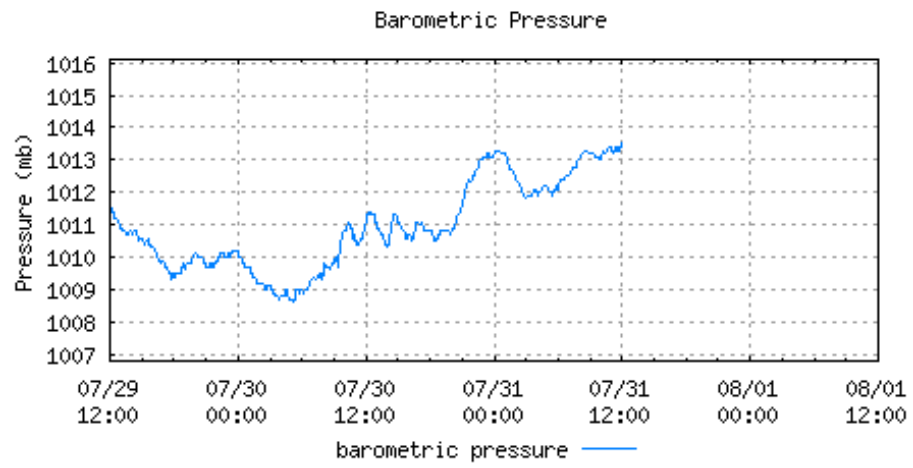
NOAA/NOS/CO-OPS 8727520 Cedar Key, FL



Last Observed Sample: 07/31/2017 12:00 (EDT)

Wind Speed: 15 knots Gusts: 20 knots Direction: 46° T

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL



Last Observed Sample: 07/31/2017 12:00 (EDT)

Barometric Pressure: 1013.5 mb

Latest Water Level Observations on MHHW

| Station ID | Station Name | Date/Time | Observed Water Level | Predicted Tide | Residual Water Level | 24 Hour Maximum Storm Tide |
|------------|------------------------------|------------------------|----------------------------|-------------------|----------------------------|-------------------------------------|
| 8726384 | Port Manatee, FL | 07/31/2017 11:54 (EDT) | 0.10 ft | -0.80 ft | 0.90 ft | 0.76 ft |
| 8726520 | St Petersburg, Tampa Bay, FL | 07/31/2017 11:54 (EDT) | 0.09 ft | -0.63 ft | 0.72 ft | 0.89 ft |
| 8726607 | Old Port Tampa, FL | 07/31/2017 11:54 (EDT) | 0.09 ft | -0.53 ft | 0.62 ft | 0.78 ft |
| 8726667 | Mckay Bay Entrance, FL | 07/31/2017 11:54 (EDT) | -0.16 ft | -0.74 ft | 0.58 ft | 0.69 ft |
| 8726724 | Clearwater Beach, FL | 07/31/2017 11:54 (EDT) | -1.25 ft | -1.63 ft | 0.38 ft | 0.28 ft |
| 8725520 | Fort Myers, FL | 07/31/2017 11:54 (EDT) | 1.25 ft | -0.11 ft | 1.36 ft | 1.27 ft |
| 8725110 | Naples, FL | 07/31/2017 11:54 (EDT) | -0.19 ft | -1.50 ft | 1.31 ft | 1.54 ft |
| 8727520 | Cedar Key, FL | 07/31/2017 12:00 (EDT) | -1.34 ft | -1.53 ft | 0.19 ft | -0.26 ft |

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce